

Appl. No. 09/745,536
Amdt. Dated August 6, 2004
Reply to Office action of May 12, 2004
Attorney Docket No. P12672-US1
EUS/J/P/04-3184

Amendments to the Specification:

Please replace the paragraph beginning at page 10, line 10, with the following rewritten paragraph:

Next is the ~~designation~~ destination address 38. This is a 48-bit field, which specifies to which station the packet is addressed. The first bit indicates the type of address: if it is a zero, the field gives the address of a unique station; if it is a one, the field specifies a larger group of recipients.

Please replace the paragraph beginning at page 11, line 8, with the following rewritten paragraph:

An Ethernet frame is defined as all the sections of an Ethernet header 34, except for the preamble 36. In Figure 4, Ethernet frame 48 is depicted. Ethernet frame 48 includes destination address 38, source address 40, ~~length/type~~ length/type 42, data payload 44 and CRC 46. In priority tagged frame 50, priority and VLAN identifier data are added. Priority tagged frame 50 comprises destination address 38, source address 40, Ethernet Tag Protocol Identifier (ETPID) 52, Tag Control Information (TCI) 54, length/type 42, data payload 44, and CRC 46. ETPID 52 is used to identify the proper protocol and implement it. In this example, it is a value of 0x8100.

Please replace the paragraph beginning at page 13, line 12-13, with the following rewritten paragraph:

Figure 8 illustrates the invention as it may be practiced on a data packet as it crosses through a VLAN-aware device. Data packet 61A is received into the device. Packet attribute extractor 66 extracts the following attributes: port 78 [[70A]], type of service 80, protocol 82, and priority 56. Each of these pieces of information may be

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found in a VLAN-enabled Ethernet frame 50. Network traffic analyzer 68 will also analyze network traffic load 86 at the current time. When the information has been extracted, the information is examined and using rules of reclassification 72, standard priority settings can be modified. Data packet 61B is shown having a set of weighting factors 74 applied against the attributes and the traffic load 86, wherein The set of weighting factors 74 is associated with the particular rules of reclassification 72 that are used. Weighting factor 1, 88A, is applied against port 78; weighting factor 2, 88B, is applied against the type of service 80; weighting factor 3, 88C, is applied against protocol 82; weighting factor 4, 88D, is applied against priority 56; and weighting factor 5, 88E is applied against the network traffic load 86.